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RESEARCH LIBRARY

SELECTED RECENT ACQUISITIONS

July - September 2016

The resources reported in this issue are listed by main subject area and then alphabetically by title. Each item is listed only once, so please check related subjects for additional materials that may be of interest. If you would like to see any of these items and there is no link to an online version, please contact the Research Library at library@dot.state.nj.us (Library, DOT) or call 609-530-5289 for these or any other publications.

Administration and Management

Estimating Highway Preconstruction Services Costs - Volume 1: Guidebook /

Douglas D. Gransberg et al. -- Washington, DC : Transportation Research Board, 2016 (NCHRP Report 826), 112 pp. <http://www.trb.org/Publications/Blurbs/174755.aspx>

Estimating Highway Preconstruction Services Costs - Volume 2: Research Report /

Douglas D. Gransberg et al. -- Washington, DC : Transportation Research Board, 2016 (NCHRP Report 826), 87 pp. <http://www.trb.org/Publications/Blurbs/174756.aspx>

Leadership Guide for Strategic Information Management for State Departments of Transportation

/

Frances Harrison, Michael Gordon. and Gary Allen -- Washington, DC : Transportation Research Board, 2016 (NCHRP Report 829), 101 pp. <http://www.trb.org/Publications/Blurbs/174182.aspx>

Survey of State Funding for Public Transportation - Final Report 2016 - FY 2014 Data /

American Association of State Highway and Transportation Officials -- 10th edition -- Washington, DC : AASHTO, 2016 (SSFP-10), 226 pp. http://drm.transportation.org/paid_publications.aspx?ItemID=2621&ORDER_ID=137812&ORDER_ITEM_ID=172818&ACCOUNT_ID=62432

Uniform Audit & Accounting Guide for Audits of Architectural and Engineering (A/E) Consulting Firms /

Scot P. Gormley, editor, and Dan Purvine -- 2016 edition -- Washington, DC : American Association of State Highway and Transportation Officials, Audit Subcommittee, 2016 (Publ. Code: UAAG-4), 171 pp. [https://bookstore.transportation.org/paid_publications.aspx?](https://bookstore.transportation.org/paid_publications.aspx?Action=ItemDetail&ItemID=2625&ORDER_ID=140403&ORDER_ITEM_ID=176036&ACCOUNT_ID=62432)

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Aviation

Addressing Significant Weather Impacts on Airports: Quick Start Guide and Toolkit /

ICF International et al. -- Washington, DC : Transportation Research Board, 2016 (ACRP Report 160), various pagings <http://www.trb.org/Publications/Blurbs/174950.aspx>

Airport Advisories at Non-Towered Airports /

C. Daniel Prather and DPrather Aviation Solutions LLC -- Washington, DC : Transportation Research Board, 2016 (ACRP Synthesis 75), 58 pp. <http://www.trb.org/Publications/Blurbs/174840.aspx>

Airport Sustainability Practices /

Amy Malick -- Washington, DC : Transportation Research Board, 2016 (ACRP Synthesis 77), 50 pp. <http://www.trb.org/Publications/Blurbs/174993.aspx>

Combining Mixed-Use Flight Operations Safely at Airports /

Stephen M. Quilty -- Washington, DC : Transportation Research Board, 2016 (ACRP Synthesis 74), 155 pp. <http://www.trb.org/Publications/Blurbs/174589.aspx>

Deriving Benefits from Alternative Aircraft-Taxi Systems /

Damon Fordham et al. -- Washington, DC : Transportation Research Board, 2016 (ACRP Report 158), 29 pp. <http://www.trb.org/Publications/Blurbs/174896.aspx>

Emergency Communications Planning for Airports /

James F. Smith et al. -- Washington, DC : Transportation Research Board, 2016 (ACRP Synthesis 73), 87 pp. <http://www.trb.org/Publications/Blurbs/174757.aspx>

Helicopter Noise Information for Airports and Communities /

Vincent Mestre, Paul Schomer, and Katherine Liu -- Washington, DC : Transportation Research Board, 2016 (ACRP Synthesis 76), 135 pp. <http://www.trb.org/Publications/Blurbs/174859.aspx>

Improving the Airport Customer Experience /

Bruce J. Boudreau et al. -- Washington, DC : Transportation Research Board, 2016 (ACRP Report 157), 260 pp. <http://www.trb.org/Publications/Blurbs/174127.aspx>

NextGEN for Airports - Volume 1: Understanding the Airport's Role in Performance-Based Navigation: Resource Guide /

Sebastian Timar et al. -- Washington, DC : Transportation Research Board, 2016 (ACRP Report 150), 155 pp. <http://www.trb.org/Publications/Blurbs/174588.aspx>

Tabletop and Full-Scale Emergency Exercises for General Aviation, Non-Hub, and Small Hub Airports /

James F. Smith -- Washington, DC : Transportation Research Board, 2016 (ACRP Synthesis 72), 162 pp. <http://www.trb.org/Publications/Blurbs/174692.aspx>

UAVs in Civil Infrastructure /

Jeremiah Karpowicz -- Portland, ME : Diversified Communications, Commercial UAV EXPO, 2016, 8 pp. <http://www.expouav.com/news/reports/>

Bicycles and Pedestrians

Guidebook for Developing Pedestrian and Bicycle Performance Measures /

Conor Semler et al. -- Chapel Hill, NC : UNC Highway Safety Research Center ; Portland, OR : Kittelson & Associates, Inc. ; Washington, DC : Federal Highway Administration, Office of Human Environment, 2016-03 (FHWA-HEP-16-037), 100 pp.
https://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/performance_measures_guidebook/

Pedestrian Infrastructure: Strategies for Improving Pedestrian Safety through Low-Cost Traffic Calming /

WalkBoston -- Boston, MA : WalkBoston ; MA Dept. of Public Health, Mass in Motion, 2015-08, 34 pp.
<http://walkboston.org/sites/default/files/WalkBoston%20-%20Low%20Cost%20Pedestrian%20Improvements.pdf>

Bridges and Structures

2017 Interim Revisions to the LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals [Looseleaf] /

American Association of State Highway and Transportation Officials -- 1st edition -- Washington, DC : AASHTO, 2016 (LRFDLTS-1-I1-OL), 40 pp. (online and printout)
https://bookstore.transportation.org/item_details.aspx?ID=2694 ; requires login

Assessment of Current Design Loads for Permit Vehicles /

Jeffrey A. Laman and Meet Shah -- University Park, PA : Pennsylvania State University, Thomas D. Larson Pennsylvania Transportation Institute ; Harrisburg, PA : Pennsylvania Dept. of Transportation, Bureau of Planning and Research, 2016-05 (FHWA-PA-2016-003-PSU WO 16), 809 pp.
http://www.dot7.state.pa.us/BPR_PDF_FILES/Documents/Research/Complete%20Projects/Design/Assessment_of_Current_Design_Loads_for_Permit_Vehicles.pdf

Bridge Inspector's Reference Manual (BIRM) [Electronic] /

Thomas W. Ryan et al. -- December 2012 revision -- Moon Township, PA : Michael Baker, Jr., Inc. ; Arlington, VA : Federal Highway Administration, National Highway Institute, 2012-12 (FHWA-NHI-12-049 ; FHWA-NHI-12-050), 2 volumes in one ; 2004 pp.
<https://www.fhwa.dot.gov/bridge/nbis/pubs/nhi12049.pdf> ; BIRM Mobile Application:
<https://www.fhwa.dot.gov/bridge/birm/>

Inspection Guide for Column Splice Regions Affected by Premature Concrete Deterioration /

Joseph M. Bracci -- College Station, TX : Texas A&M Transportation Institute ; [Austin, TX] : Texas Dept. of Transportation, 2016-07 (0-5722-P2), 40 pp. <http://tti.tamu.edu/documents/0-5722-P2.pdf>

Self-Consolidating Concrete for Cast-in-Place Bridge Components /

George Morcoux et al. -- Washington, DC : Transportation Research Board, 2016 (NCHRP Report 819), various pagings <http://www.trb.org/Publications/Blurbs/174472.aspx>

Construction

2016 Road and Bridge Specifications /

Virginia Department of Transportation -- Richmond, VA : VDOT, 2016, 1091 pp.
http://www.virginiadot.org/business/resources/const/VDOT_2016_RB_Specs.pdf

Energy and Environment

Air Quality /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2570), 147 pp. <http://www.trb.org/Publications/Blurbs/174938.aspx>

Application of Remote Real-Time Monitoring to Offshore Oil and Gas Operations /

Transportation Research Board, Committee on the Application of Real-Time Monitoring of Offshore Oil and Gas Operations -- Washington, DC : TRB, 2016 (Special Report 322), 117 pp.
<http://www.trb.org/Publications/Blurbs/174214.aspx>

Energy, Alternative Fuels, and Climate Change /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2572), 111 pp. <http://www.trb.org/Publications/Blurbs/174898.aspx>

Environment /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2571), 89 pp. <http://www.trb.org/Publications/Blurbs/174698.aspx>

Maximizing Mitigation Benefits: Research to Support a Mitigation Cost Framework - Final Report /

Kristi Miller et al. -- College Station, TX : Texas A&M Transportation Implementation Office ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-08 (FHWA/TX-16/0-6762-01-1), 62 pp. <http://tti.tamu.edu/documents/0-6762-01-1.pdf>

Navigating Multi-Agency NEPA Processes to Advance Multimodal Transportation Projects /

Donald J. Emerson et al. -- Washington, DC : Transportation Research Board, 2016 (NCHRP Report 827), various pagings <http://www.trb.org/Publications/Blurbs/174665.aspx>

Sediment and Erosion Control Laboratory Facility Expansion /

Jett A. McFalls and Beverly J. Storey -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, 2016-08 (FHWA/TX-13/5-9048-01), 14 pp.
<http://tti.tamu.edu/documents/5-9048-01.pdf>

Freight / Goods Movement

Freight Systems - Volume 1 /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2547), 110 pp.

Freight Systems - Volume 2 /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2548), 106 pp.

Guide for Maximum Dimensions and Weights of Motor Vehicles /

American Association of State Highway and Transportation Officials, Subcommittee on Highway Transport -- 5th edition -- Washington, DC : AASHTO, 2016-08 (GSW-5), 34 pp.

Multi-State, Multimodal, Oversize/Overweight Transportation /

CPCS, Perkins Motor Transport, Inc., and Portscape, Inc. -- Washington, DC : Transportation Research Board, 2016 (NCHRP Report 830), 165 pp. <http://www.trb.org/Publications/Blurbs/174838.aspx>

Geotechnical

Field Instrumentation and Testing to Study Set-up Phenomenon of Piles Driven into Louisiana Clayey Soils /

Murad Y. Abu-Farsakh, Md. Nafiul Haque, and Qiming Chen -- Baton Rouge, LA : Louisiana State University, Dept. of Civil and Environmental Engineering ; Louisiana Dept. of Transportation and Development, 2016-07 (FHWA/LA.15/562), 179 pp. http://www.ltrc.lsu.edu/pdf/2016/FR_562.pdf

Geological, Geoenvironmental, and Geotechnical Engineering - Volume 2 /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2579), 95 pp. <http://www.trb.org/Publications/Blurbs/174956.aspx>

Geological, Geoenvironmental, and Geotechnical Engineering - Volume 3 /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2580), 88 pp. <http://www.trb.org/Publications/Blurbs/174751.aspx>

Minimizing Roadway Embankment Damage from Flooding /

Jean Louis-Briaud and Layal Maddah -- Washington, DC : Transportation Research Board, 2016 (NCHRP Synthesis 496), 104 pp. <http://www.trb.org/Publications/Blurbs/174773.aspx>

Highway Design

Highway Design /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2588), 180 pp. <http://www.trb.org/Publications/Blurbs/174748.aspx>

A Policy on Design Standards - Interstate System /

American Association of State Highway and Transportation Officials, Technical Committee on Geometric Design 2015-2016 -- 6th edition -- Washington. DC : AASHTO, 2016-05 (DS-6), 14 pp. <http://drm.transportation.org/>

Information Management

Information Technology, Geospatial Information, and Advanced Computing /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2595), 147 pp. <http://www.trb.org/Publications/Blurbs/174965.aspx>

Intelligent Transportation Systems (ITS)

Federal Automated Vehicles Policy: Accelerating the Next Revolution in Roadway Safety /

Washington, DC : U.S. Dept. of Transportation, National Highway Traffic Safety Administration (NHTSA), 2016-09, 116 pp. <https://www.transportation.gov/AV/federal-automated-vehicles-policy-september-2016>

ITS Strategic Plan for Texas [TechSummary] /

Edward J. Seymour et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-07 (FHWA/TX-13/0-6672-P1), 24 pp. <http://tti.tamu.edu/documents/0-6672-P1.pdf>

An ITS Strategic Plan for Texas - Executive Plan Summary [TechSummary] /

Edward J. Seymour et al. -- College Station, TX : Texas A&M Transportation Institute ; [Austin, TX] : Texas Dept. of Transportation, 2016-07 (0-6672-3), 4 pp. <http://tti.tamu.edu/documents/0-6672-3.pdf>

Legal Issues

Impact of Firearms Laws on Airports /

Larry W. Thomas -- Washington, DC : Transportation Research Board, 2016-08 (Legal Research Digest 29), 66 pp.; appendices available online <http://www.trb.org/Publications/Blurbs/174765.aspx>

Liability of Transportation Entity for the Unintentional Release of Secure Data or the Intentional Release of Monitoring Data on Movements or Activities of the Public /

Larry W. Thomas and James B. McDaniel -- Washington, DC : Transportation Research Board, 2016-07 (Legal Research Digest 71), 56 pp. <http://www.trb.org/Publications/Blurbs/174719.aspx>

Marine / Waterways

Marine Transportation and International Trade /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2549), 110 pp. <http://www.trb.org/Publications/Blurbs/174800.aspx>

Materials

Asphalt Materials and Mixtures - Volume 2 /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2575), 212 pp. <http://www.trb.org/Publications/Blurbs/174957.aspx>

Concrete Materials /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2577), 96 pp.

Field Validation of Laboratory Tests to Assess Cracking Resistance of Asphalt Mixtures: An Experimental Design /

National Cooperative Highway Research Program -- Washington, DC : Transportation Research Board, 2016-08 (Research Results Digest 399), 25 pp. <http://www.trb.org/Publications/Blurbs/174845.aspx>

Standard Specifications for Transportation Materials and Methods of Sampling and Testing, and the AASHTO Provisional Standards [Electronic] /

American Association of State Highway and Transportation Officials, Highway Subcommittee on Materials -- 2016 edition -- Washington, DC : AASHTO, 2016 (Publ. Code: HM-WB1), 4652 pp. in web-based format <http://hm.digital.transportation.org/Materials.aspx> - requires login

Use of Reclaimed Asphalt Pavement and Recycled Asphalt Shingles in Asphalt Mixtures /

Mary Stroup-Gardner -- Washington, DC : Transportation Research Board, 2016 (NCHRP Synthesis 495), 122 pp. <http://www.trb.org/Publications/Blurbs/174969.aspx>

Operations and Maintenance

Maintenance and Preservation /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2550), 130 pp. <http://www.trb.org/Publications/Blurbs/174699.aspx>

Spreadsheet-Based Data Analysis Tool - User's Guide /

Jeremy Johnson, Tara Ramani, and Michael Kader -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-07 (FHWA/TX-13/0-6626-P1), 26 pp., CD accompanying files available in .zip file
<http://tti.tamu.edu/documents/0-6626-P1.pdf> ; <http://tti.tamu.edu/documents/0-6626-P1-CD.zip>

Pavements

Guidelines on Design and Construction of High Performance Thin HMA Overlays /

Cindy K. Estakhri, Tommy Blackmore, and Tom Scullion -- College Station, TX : Texas A&M Transportation Institute, 2016-08 (5-5598-05-WS2), 125 pp.
<http://tti.tamu.edu/documents/5-5598-05-WS2.pdf>

Image-Based Approach for Road Profile Analyses /

Jen-Yu Han, Aidchin Chen, and Yan-Ting Lin -- Reston, VA : ASCE, Journal of Surveying Engineering, Vol. 142 no. 1, 2016-02, 9 pp.

International Center for Partnered Pavement Preservation (ICP3): First Year Progress Report /

Jorge A. Prozzi et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-06 (FHWA/TX-16/0-6878-1), 60 pp. <http://library.ctr.utexas.edu/ctr-publications/0-6878-1.pdf>

Pavement Life-Cycle Assessment Framework /

John T. Harvey et al. -- Urbana, IL : Applied Pavement Technology, Inc. ; Washington, DC : Federal Highway Administration, 2016-07 (FHWA-HIF-16-014), 246 pp.
<http://www.fhwa.dot.gov/pavement/sustainability/hif16014.pdf>

Pavement Management - Volume 1 /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2589), 171 pp. <http://www.trb.org/Main/Blurbs/174774.aspx>

Pavement Management - Volume 2 /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2590), 141 pp. <http://www.trb.org/Publications/Blurbs/174966.aspx>

Selection and Design of Quiet Pavement Surfaces /

Andre de Fortier Smit et al. -- Austin, TX : University of Texas at Austin, Center for Transportation Research ; Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-06 (FHWA.TX-16/0-6819-1), 179 pp. <http://library.ctr.utexas.edu/ctr-publications/0-3819-1.pdf>

TPADANA 2.0: Draft User's Manual of TPAD Data Analysis Software /

Wenting Liu and Tom Scullion -- College Station, TX : Texas A&M Transportation Institute, 2016-08 (5-6005-01-P1), 52 pp. <http://tti.tamu.edu/documents/5-6005-01-P1.pdf>

Planning

Assessing the Vulnerability of Tennessee Transportation Assets to Extreme Weather /

Mark Abkowitz, Janey Camp, and Leah Dundon -- Nashville, TN : Tennessee Dept. of Transportation ; Washington, DC : Federal Highway Administration, 2015-05, 49 pp.
http://www.fhwa.dot.gov/environment/climate_change/adaptation/resilience_pilots/2013-2015_pilots/tennessee/tdot.pdf

Characterizing Risk in Climate Change Assessments: Proceedings of a Workshop for the U.S. Global Change Research Program /

Alexandra Beatty, rapporteur et al. -- Prepublication copy, uncorrected proofs -- Washington, DC : National Academies Press, 2016, 84 pp. <http://www.nap.edu/download/23569>

Frontiers in Decadal Climate Variability: Proceedings of a Workshop (2016) /

Amanda Purcell and Nancy Huddleston, rapporteurs et al. -- Washington, DC : National Academies Press, 2016, 92 pp.
http://www.nap.edu/catalog/23552/frontiers-in-decadal-climate-variability-proceedings-of-a-workshop?utm_source=NAP+Newsletter&utm_campaign=6f23644044-NAP_mail_new_2016_08_02&utm_medium=email&utm_term=0_96101de015-6f23644044-102052865&goal=0_96101de015-6f23644044-102052865&mc_cid=6f23644044&mc_eid=6bffb24c7f

Maintaining Project Consistency with Transportation Plans throughout the Project Life Cycle with an Emphasis on Maintaining Air Quality Conformity: Technical Report /

Mohamadreza Farzaneh et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-07 (FHWA/TX-14/0-6758-1), 100 pp. <http://tti.tamu.edu/documents/0-6758-1.pdf>

Managing Performance and Assesses; Freight Data and Visualization /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record. No. 2596), 64 pp. <http://www.trb.org/Publications/Blurbs/174835.aspx>

Passenger Travel Facts and Figures 2016 /

William H. Moore, editor -- Washington, DC : U.S. Dept. of Transportation, Bureau of Transportation Statistics, 2016, 102 pp. https://www.rita.dot.gov/bts/publications/passenger_travel_2016

Planning and Preliminary Engineering Applications Guide to the Highway Capacity Manual /

Richard Dowling et al. -- Washington, DC : Transportation Research Board, 2016 (NCHRP Report 825), 259 pp. <http://www.trb.org/Publications/Blurbs/174958.aspx>

A Retrospective Evaluation of Traffic Forecasting Techniques /

John S. Miller et al. -- Charlottesville, VA : Virginia Transportation Research Center ; Richmond, VA : Virginia Dept. of Transportation, 2016-08 (FHWA/VTTC 17-R1), 96 pp.
http://www.virginadot.org/vtrc/main/online_reports/pdf/17-r1.pdf

TDM Encyclopedia [Electronic] /

Victoria Transport Policy Institute -- Victoria, BC : VTPI, 2014, internet resource
<http://www.vtpi.org/tdm/tdm12.htm> ; <http://www.vtpi.org/tdm/>

Travel Behavior - Volume 1 /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2565), 110 pp. <http://www.trb.org/Publications/Blurbs/174897.aspx>

Rail

Railroads - Volume 2 /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2546), 136 pp.

State Rail Planning Best Practices - Volume 2 /

Donald B. Ludlow -- Washington, DC : American Association of State Highway and Transportation Officials, AASHTO Rail Resource Center and the Standing Committee on Rail Transportation (SCORT), 2016-05 (SRPG-1S), 43 pp. <http://drm.transportation.org/login.aspx>

Reference

Manual of the Legislature of New Jersey: Two Hundred and Seventeenth Legislature (First Session) - 2016 /

Lawyers Diary and Manual, LLC - by authority of the Legislature -- Summit, NJ : Lawyers Diary and Manual, LLC, 2016, 1101 pp.

New Jersey Transportation by the Numbers [Fact Sheet] /

Bureau of Transportation Statistics -- Washington, DC : U.S. Dept. of Transportation, BTS, 2016-01, 4-page bifold http://www.rita.dot.gov/bts/sites/rita.dot.gov.bts/files/new_jersey.pdf

Research

Biennial Report 2014-2015 /

Washington State Transportation Center -- Olympia, WA : Washington State Dept. of Transportation, 2016, 43 pp. <http://www.trac.washington.edu>

LTRC Annual Research Program: Fiscal Year July 1, 2016 - June 30, 2017 /

Louisiana Transportation Research Center -- Baton Rouge, LA : Louisiana Dept. of Transportation and Development ; Louisiana Transportation Research Center, 2016-06, 190 pp.
<http://www.ltrc.lsu.edu/pdf/2016/Binder1.pdf>

Safety & Human Performance

Automated Vehicles: Driver Knowledge, Attitudes, & Practices /

Robyn D. Robertson, Shawna R. Meister, and Ward G.M. Vanlaar -- Ottawa, Ontario, Canada : Traffic Injury Research Foundation (TIRF), 2016 (16J), 48 pp. http://tirf.ca/publications/publications_show.php?pub_id=342

Crash Test and Evaluation of 3-FT Mounting Height Sign Support System /

Nauman M. Sheikh et al. -- College Station, TX : Texas A&M Transportation Institute Proving Ground ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-07 (FHWA/TX-15/9-1002-15-1), 70 pp. <http://d2dtl5nnlpfr0r.cloudfront.net/tti.tamu.edu/documents/9-1002-15-1.pdf>

Crash Test and Evaluation of Temporary Wood Sign Support System for Large Guide Signs /

Dusty R. Arrington et al. -- College Station, TX : Texas A&M Transportation Institute Proving Ground ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-07 (FHWA/TX-15/9-1002-15-4), 84 pp. <http://tti.tamu.edu/documents/9-1002-15-4.pdf>

Development of a TL-2 Steel Bridge Railing and Transition for Use on Transverse, Nail-Laminated, Timber Bridges /

Ryan J. Terpsma et al. -- Lincoln, NE : University of Nebraska - Lincoln, Midwest Roadside Safety Facility (MwRSF) ; Weston, WV : West Virginia Dept. of Transportation, Division of Highways, District 7 Bridge Dept., 2009-08 (TRP-03-212-09), 129 pp.

Improvements to Highway Guardrail Assemblies /

Todd Shupe -- Baton Rouge, LA : Louisiana State University, Dept. of Civil and Environmental Engineering ; Louisiana Dept. of Transportation and Development, 2016-05 (FHWA/LA.15/14-ITIRE), 44 pp. <http://www.ltrc.lsu.edu/pdf/2016/14-1TIRE.pdf>

Investigation of Driver Speed Choice and Crash Characteristics During Low Visibility Events /

Kate McCann and Michael D. Fontaine -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2016-09 (VTRC 17-R4), 58 pp. http://www.virginiadot.org/vtrc/main/online_reports/pdf/17-r4.pdf

MASH Test 3-11 of the TxDOT T222 Bridge Rail /

William F. Williams et al. -- College Station, TX : Texas A&M Transportation Institute Proving Ground ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-07 (FHWA/TX-14/9-1002-12-13), 76 pp. <http://tti.tamu.edu/documents/9-1002-12-13.pdf>

MASH TL-3 Crash Testing and Evaluation of the TxDOT T631 Bridge Rail /

William F. Williams et al. -- College Station, TX : Texas A&M Transportation Institute Proving Ground ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-07 (FHWA/TX-14/9-1002-12-12), 168 pp. <http://tti.tamu.edu/documents/9-1002-12-12.pdf>

Midwest Guardrail System (MGS) with 6-ft Posts Placed Adjacent to a 1V:2H Fill Slope /

Austin J. Haase et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads, Midwest States Regional Pooled Fund Program, 2016-08 (TRP-03-320-16), 135 pp., print or CD-ROM

Safety Evaluation of Intersection Conflict Warning Systems /

Scott Himes et al. -- Vienna, VA : VHB ; Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, 2016-06 (FHWA-HRT-16-035), 80 pp.
<https://www.fhwa.dot.gov/publications/research/safety/16035/index.cfm>

Safety Management, School Transportation, and Safety Workforce Development /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2582), 94 pp. <http://www.trb.org/Publications/Blurbs/174767.aspx>

Update to Cable Barrier Literature Review /

Cody S. Solle, John D. Reid, and Karla A. Lechtenberg -- Lincoln, NE : University of Nebraska - Lincoln, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads, Midwest States Regional Pooled Fund Program, 2010-08 (TRP-03-227-10), 241 pp.

Security

Systems Resilience and Climate Change /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2599), 90 pp. <http://www.trb.org/Publications/Blurbs/174655.aspx>

Traffic

AASHTO Guidelines for Supplemental Guide Signing - Part I: Guidelines for the Selection of Supplemental Guide Signs for Traffic Generators Adjacent to Freeways - Part II: Guidelines for Airport Guide Signing - Part III: List of Control Cities for Use in Guide Signs on Interstate Highways /

American Association of State Highway and Transportation Officials -- 5th edition -- Washington, DC : AASHTO, 2016-08 (GSGLC-5-UL), 12 pp. https://bookstore.transportation.org/my_bookstore.aspx - requires login

Construction and Installation of Travel Time Signs on I-35 In Austin /

Gerald Ullman et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-08 (FHWA/TX-16/5-9049-05-1), 18 pp. <http://tti.tamu.edu/documents/5-9049-05-1.pdf>

Installation of Dynamic Travel Time Signs and Efforts to Obtain and Test a Graphical Route Information Panel (GRIP) Sign in Austin /

Gerald Ullman et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-08 (FHWA/TX-15/5-9049-03-7), 24 pp.

Traffic Control Device Evaluation Program: Simulator Evaluation of Sponsored Changeable Message Signs and In-Situ Evaluation of Rumble Strip Alternatives /

Adam M. Pike et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-07 (FHWA/TX-15/9-1001-14-2), 120 pp. <http://tti.tamu.edu/documents/9-1001-14-2.pdf>

Traffic Control Devices /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2562), 62 pp. <http://www.trb.org/Publications/Blurbs/174723.aspx>

Traffic Signal Systems - Volume 1 /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2557), 121 pp.

Transit

The Bus Renaissance: Intercity Travel, Bus Rapid Transit, Technology Advances, Rural Services /

Transportation Research Board -- Washington, DC : TRB, 2016-05 (TR News No. 303 (May/June 2016)), 52 pp. <http://www.trb.org/Publications/Blurbs/174689.aspx>

Identifying Best Practices for Managing Operating Costs for Rural and Small Urban Transportation Systems: Technical Report /

Suzie Edrington et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-08 (FHWA/TX-13/0-6694-1), 84 pp. <http://tti.tamu.edu/documents/0-6694-1.pdf>

Public Transportation - Volume 2: Passenger Rail and Terminals /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2540), 152 pp. <http://trrjournalonline.trb.org/toc/trr/2540/>

Public Transportation - Volume 3: Management, Performance, and Quality of Service /

Transportation Research Board -- Washington, DC : TRB, 2016 (Transportation Research Record No. 2541), 99 pp. <http://www.trb.org/Publications/Blurbs/174749.aspx>

State DOTs Connecting Users and Rides for Special Transportation - Volume 1: Research Report /

Will Rodman et al. -- Washington, DC : Transportation Research Board, 2016 (NCHRP Report 832), various pagings

State DOTs Connecting Users and Rides for Special Transportation - Volume 2: Toolkit for State DOTs and Others /

Will Rodman et al. -- Washington, DC : Transportation Research Board, 2016 (NCHRP Report 832), various pagings <http://www.trb.org/Publications/Blurbs/174328.aspx>

Work Zones

Highway Repair Consolidation Feasibility /

Kaan Ozbay et al. -- Piscataway, NJ : Rutgers University ; Brooklyn, NY : NYU ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2016-07 (FHWA-NJ-2016-002), 97 pp. <http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2016-002.pdf> - Final Report ; <http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2016-002-TB.pdf> - Tech Brief